



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAIL STOP PATENT APPLICATION  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

## NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application entitled

**A RECURSIVE LEAST SQUARES APPROACH TO CALCULATE MOTION  
 PARAMETERS FOR A MOVING CAMERA**

By: Samuel Henry Chang, J. Joseph Fuller, Ali Farsaie and Leslie Ray Elkins

## 1. Type of Application

Original (non-provisional)

## 2. Required Papers Enclosed under 37 CFR 1.53(b) (Regular):

14 Pages of specification

8 Pages of claims

1 Page of Abstract

8 Sheets of Drawings (Figures 1-9)

## 3. Declaration or oath

Enclosed

## 4. Preliminary Amendment

Enclosed

## 5. Assignment

An assignment of the invention to:

A check in the amount of \$\_\_\_\_\_ is enclosed as well as the "Assignment Recordation Form Cover Sheet".

## 6. Priority

Priority is hereby claimed to Patent Application No. filed

## 7. Information Disclosure Statement

Enclosed  Form 1449 PTO  References

8.  Applicant claims small entity status (see 37 CFR 1.27).

## 9. Fee Calculation (37 CFR 1.16)

CLAIMS AS FILED				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 CFR 1.16(c))	20 - 20 =	0	x \$ 9	= \$0.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	3 - 3 =	0	x \$ 43	= \$0.00
MULTIPLE DEPENDENT CLAIMS (IF APPLICABLE) (37 CFR 1.16(d))		ANY -- 0	\$ 290	= \$0.00
BASIC FEE (37 CFR 1.16(a))				\$385.00
TOTAL =				\$ 385.00

10.  A check in the amount of \$385.00 is enclosed.

11. **Authorization to Charge Deposit Account**

The Commissioner is hereby authorized to charge the following additional fees or credit any overpayment during the entire pendency of this application to Deposit Account No. 06-0308.

37 CFR 1.16(a), (f) or (g) (filing fees)

37 CFR 1.16(b), (c), and (d) (presentation of extra claims)

37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

12. **Please address correspondence and direct telephone calls to:**

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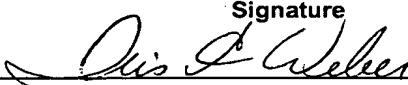
3/31/04  
Date

  
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CERTIFICATE OF EXPRESS MAILING

I certify that this New Application Transmittal and accompanying documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated below and is addressed to: MAIL STOP PATENT APPLICATION, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Label No.:	Signature
EL 964453493 US	
Date	Printed Name
March 31, 2004	Iris E. Weber